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AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A dental instrument having a transmission device with at least one magnetic and/or magnetizable clutch element, at least one said clutch element having an air gap, the instrument comprising:

a means for influencing the transmission torque of the magnetic and/or magnetizable clutch element by modifying the magnetic flux of the clutch element, said means for influencing being movable to modify the magnetic flux and thereby limit the transmission torque to a predetermined selectable threshold value, said means for influencing thereby enabling generally continuous operation of a drive tool operated by said dental instrument to transmission torques generally below the predetermined selectable threshold value.

- 2. (Withdrawn) The dental instrument according to claim 1, further comprising: a means for modifying the air gap of the clutch element.
- 3. (Previously Presented) The dental instrument according to claim 1, wherein: said means for influencing being made of a magnetically conductive material in the form of a sleeve.
- 4. (Currently Amended) The dental instrument according to claim 3, wherein: said sleeve is positioned in a zone of influence of one or more the at least one magnetic and/or magnetizable clutch elements.
 - 5. (Withdrawn) The dental instrument according to claim 3, wherein: the means for modifying the flux guide coil is an electromagnet.
 - 6. (Withdrawn) The dental instrument according to claim 5, wherein:

the magnetic force of the electromagnet is controlled according to service parameters.

- 7. (Withdrawn) The dental instrument according to claim 5, wherein: the flux guide coil is indirectly modified by stationary magnets.
- 8. (Withdrawn) The dental instrument according to claim 5, wherein: the flux guide coil is directly modified by moving magnets, and the moving magnets transfer the torque with respect to the magnetic force.
- 9. (Withdrawn) The dental instrument according to claim 4, further comprising:a softly magnetized part,the low retentive part is only effective in a subzone of the magnetic clutch element.
- 10. (Previously Presented) The dental instrument according to claim 4, wherein: switching means are provided that cooperate with the magnetic clutch element and the means for influencing.
- 11. (Currently Amended) The dental instrument according to claim 1, wherein:
 the magnetic clutch element enabling a the tool to be moved in an opposite direction to an original working direction by means of a force created in the opposite direction after declutching of the magnetic clutch element.
- 12. (Currently Amended) The dental instrument according to claim 1, wherein said transmission device being in the form of a neck drive, said dental instrument further comprising: a drive motor with high rotation speed; and a reduction gear for reducing a rotation speeds in a zone between 5 and 25 rotations/sec. (300 to 2100 rotations/minute).

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13. (Currently Amended) The dental instrument according to claim 1, wherein:

a the drive tool can be loaded with torsion up to a the threshold value; and
the transmission device is formed with the magnetic clutch element so that the threshold

value of the drive tool is never reached.

- 14. (Currently Amended) The dental instrument according to claim 1, further comprising:

 a wherein the tool is for root canal treatment.
- 15. (Withdrawn) The dental instrument according to claim 1, wherein:
 the magnetic clutch element is arranged so that rotations are transmitted on an input side and on an output side.
- 16. (Withdrawn) The dental instrument according to claim 1, wherein:
 the magnetic clutch element is arranged such that a part of the clutch performs a rotation,
 and the other part of the clutch performs a translation.
 - 17. (Withdrawn) The dental instrument according to claim 1, wherein: both magnetic clutch elements perform translations.
- 18. (Original) The dental instrument according claim 1, wherein: a connection point is provided on a motor, said connection point corresponds to the connection point of a tool working with a high rotation speed.
 - 19. (Previously Presented) The dental instrument according to claim 1, wherein: said means for influencing being a magnetically soft part.

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20. (New) A dental instrument having a transmission device with at least one magnetic and/or magnetizable clutch element, at least one said clutch element having an air gap, the instrument comprising:

a means for influencing the transmission torque of the magnetic and/or magnetizable clutch element by modifying the magnetic flux of the clutch element, said means for influencing being movable to modify the magnetic flux and thereby limit the transmission torque to a predetermined selectable threshold value, said means for influencing thereby enabling operation of a drive tool operated by said dental instrument to transmission torques generally below the predetermined selectable threshold value.